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The deaths of Wm. S. Pine, a member and P. R. Hoy, a correspondent, were announced.

The death on the 3rd inst. of ISAAC C. MARTINDALE, the Treasurer of the Academy, having been announced the following minute was adopted:—

The Academy of Natural Sciences of Philadelphia, in view of the sudden death of Mr. ISAAC C. MARTINDALE, its late Treasurer, expresses its profound regret thereat, and records its sense of the great service rendered by him in the faithful, laborious and efficient discharge of his duties as custodian of the Academy's funds.

As a naturalist Mr. Martindale won the confidence and respect of his fellow Academicians. He was regarded as one of the best analytical botanists in the United States. His knowledge of special American, European and Australian floras was very exact and wide. His herbarium was one of the standard collections of the country, frequently consulted by students of plants and always generously placed at the service of his fellow botanists.

As an entomologist he had acquired a good knowledge and a valuable collection of Lepidoptera. At his death he was the Vice-President of the American Entomological Society and Entomological Section of the Academy.

Mr. Martindale's relations to his associates were always most pleasant and helpful. His invariable courtesy, willingness to aid his fellow naturalists and his unselfish interest in the advancement of science and especially the prosperity of the Academy are here most cordially recognized and recorded.

*Metamorphism of Sedimentary Rocks.*—MR. JOS. WILLCOX stated that he had observed an example of the metamorphism of sedimentary deposits into crystalline rocks on an island in Rideau Lake, Canada, about 40 miles north of Alexandria Bay. At this locality the Laurentian granite is covered by gneiss rocks which in some cases appear like a coarse granite containing cleavable feldspar as large as an egg. The sedimentary origin of these gneiss rocks is indicated by many enclosed, smooth, round quartz pebbles some of which are more than two inches in diameter.

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JANUARY 10.

The President, GENERAL ISAAC J. WISTAR, in the chair.

Forty persons present.

Papers under the following titles were presented for publication:—